

WHAT IS CLAIMED IS

1 1. A wedge base track lamp holder assembly comprising:
2 a base including a first channel having an opening at one end of the base, a second
3 channel extending away from the first channel and having an opening at an end opposite the
4 first channel, and an adaptor portion extending from the base and enclosing at least a part of
5 the second channel;
6 at least one conductive contact member insertable within the first channel and the
7 second channel; and
8 a retention piece insertable within the second channel and configured to retain the
9 conductive contact member within the first channel and the second channel.

1 2. The wedge base track lamp holder of claim 1 wherein the first channel
2 includes at least one conductor slot running along at least a part of the length of the first
3 channel, the conductive contact member includes a first portion and a second portion
4 extending from the first portion, and the first portion of the conductive contact member fits
5 within the conductor slot and the second portion fits within the second channel.

1 3. The wedge base track lamp holder of claim 2 wherein the conductor slot
2 includes an upper wall and a lower wall, the conductive contact member includes at least one
3 upper contact and at least one lower contact, and when the first portion of the conductive
4 contact member is positioned within the conductor slot, the upper contact is adjacent to the
5 upper wall and the lower contact is adjacent to the lower wall.

1 4. The wedge base track lamp holder of claim 2 wherein the second channel
2 includes at least one second conductor slot running along at least a part of the length of the
3 second channel and the second portion of the conductive contact member fits within the
4 second conductor slot.

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1 5. The wedge base track lamp holder of claim 4 wherein the retention piece
2 retains the second portion of the conductive contact member within the second conductor slot
3 in the second channel.

1 6. The wedge base track lamp holder of claim 4 wherein the second conductor
2 slot in the second channel comprises a back wall and two side walls and the adaptor portion
3 has a wider opening at the second conductor slot than at a region of the adaptor portion
4 adjacent to the second conductor slot and the retention piece includes a wider portion
5 configured to fit within the second conductor slot and a narrower portion configured to fit
6 within the region of the adaptor portion adjacent to the second conductor slot.

1 7. The wedge base track lamp holder of claim 4 further comprising a retention
2 piece slot in the second channel and a protrusion extending from the retention piece and
3 configured to fit within the retention piece slot when the retention piece is inserted into the
4 second channel.

1 8. The wedge base track lamp holder of claim 7 wherein the insertion of the
2 protrusion into the retention piece slot restricts lateral movement of the retention piece.

1 9. The wedge base track lamp holder of claim 1 wherein the adaptor portion
2 includes at least one adaptor slot running in a direction that is generally perpendicular to the
3 second channel and the retention piece includes at least one protrusion that is configured to
4 fit within the adaptor slot.

1 10. The wedge base track lamp holder of claim 9 wherein the adaptor slot is
2 defined by a generally horizontal upper wall and an angled lower wall, and the protrusion on
3 the retention piece has an opposite shape of the adaptor slot, whereby the protrusion slides
4 into the adaptor slot in one direction but is prevented from being pulled out in the other
5 direction.

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1 11. The wedge base track lamp holder of claim 1 wherein the base includes a base
2 slot in a lower surface of the first channel and the retention piece includes an extension
3 extending from a lower surface of the retention piece and being configured to fit within the
4 base slot in the lower surface when the retention piece is inserted into the second channel,
5 whereby the insertion of the extension into the base slot restricts lateral movement of the
6 retention piece.

1 12. The wedge base track lamp holder of claim 1 further comprising at least one
2 reflector including an aperture,
3 wherein the retention piece includes at least one arm extending from the retention
4 piece in a first direction and a tab extending from the arm in a second direction, and when the
5 retention piece is inserted in the second channel, the tab is inserted into the aperture in the
6 reflector to retain the reflector to the base.

1 13. The wedge base track lamp holder of claim 12 further comprising a second
2 reflector including an aperture,
3 wherein the retention piece includes a second arm extending from the retention piece
4 in a first direction and a tab extending from the second arm in a second direction, and when
5 the retention piece is inserted in the second channel, the tab is inserted into the aperture in the
6 second reflector to retain the second reflector to the base.

1 14. The wedge base track lamp holder of claim 13 wherein the first channel in the
2 base has openings at both ends of the base.

1 15. The wedge base track lamp holder of claim 1 wherein the adaptor portion
2 includes a pair of wings configured to be mated to a track lighting network.

1 16. The wedge base track lamp holder of claim 9 wherein the adaptor portion
2 includes an outward extension and the adaptor slot further extends along the outward
3 extension.

1 17. The wedge base track lamp holder of claim 1 wherein the lamp holder is
2 configured to hold one lamp.

1 18. The wedge base track lamp holder of claim 1 wherein the lamp holder is
2 configured to hold two lamps.

1 19. A method of forming a wedge base track lamp holder, the method comprising:
2 providing a base including a first channel having an opening at one end of the base, a
3 second channel extending away from the first channel and having an opening at an end
4 opposite the first channel, and an adaptor portion extending from the base and enclosing at
5 least a part of the second channel;
6 providing at least one conductive contact member insertable within the first channel
7 and the second channel;
8 providing a retention piece insertable within the second channel and configured to
9 retain the conductive contact member within the first channel and the second channel;
10 inserting the conductive contact member within the first channel and the second
11 channel; and
12 inserting the retention piece within the second channel to retain the conductive
13 contact member to the base.

1 20. The method of claim 19 wherein the first channel includes at least one
2 conductor slot running along at least a part of the length of the first channel and the
3 conductive contact member includes a first portion and a second portion extending from the
4 first portion, and inserting the conductive contact member comprises inserting the first
5 portion of the conductive contact member within the conductor slot and the second portion
6 within the second channel.

1 21. The method of claim 19 wherein the second channel includes at least one
2 second conductor slot running along at least a part of the length of the second channel and
3 inserting the conductive contact member comprises inserting the second portion of the
4 conductive contact member within the second conductor slot.

1 22. The method of claim 19 wherein the adaptor portion includes at least one
2 retention piece slot running in a direction that is generally perpendicular to the second
3 channel and the retention piece includes at least one protrusion that is configured to fit within
4 the retention piece slot and inserting the retention piece within the second channel includes
5 inserting the protrusion into the retention piece slot.

1 23. The method of claim 22 wherein the retention piece slot is defined by a
2 generally horizontal upper wall and an angled lower wall, and the protrusion on the retention
3 piece has an opposite shape of the retention piece slot, and inserting the retention piece in the
4 second channel includes sliding the protrusion into the retention piece slot in one direction
5 such that the protrusion rest against the upper wall but is prevented from being pulled out in
6 the opposite direction.

1 24. The method of claim 19 wherein the base includes a base slot in a lower
2 surface of the first channel and the retention piece includes an extension extending from a
3 lower surface of the retention piece and inserting the retention piece in the second channel
4 further comprises inserting the extension into the base slot.

1 25. The method of claim 19 further comprising:
2 providing at least one reflector including an aperture; and
3 retaining the reflector to the base, wherein the retention piece includes at least one
4 arm extending from the retention piece in a first direction and a tab extending from the arm
5 in a second direction, and inserting the retention piece into the second channel includes
6 inserting the tab into the aperture in the reflector to retain the reflector to the base.

1 26. The method of claim 19 further comprising inserting a lamp into the base and
2 the conductive contact member.